

10.565418
IAP6 Rec'd PCT/PTO 23 JAN 2006

SEQUENCE LISTING

<110> Monaci, Paolo
Gallo, Pasquale
Nuzzo, Maurizio

<120> SYNTHETIC GENE ENCODING HUMAN EPIDERMAL
GROWTH FACTOR 2/NEU ANTIGEN AND USES THEREOF

<130> ITR0065YP

<150> PCT/EP2004/008234

<151> 2004-04-20

<150> 60/489,237

<151> 2003-07-21

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<212> DNA

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<223> HER2opt

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<212> DNA

<213> Artificial Sequence

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<223> hHER2opt + Kozak

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<223> PCR Primer

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<223> PCR Primer

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<213> Artificial Sequence

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Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys Leu		
245	250	255
His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro Ala Leu Val		
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Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro Glu Gly Arg		
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Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro Tyr Asn Tyr Leu		
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Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys Pro Leu His Asn Gln		
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Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Cys Glu Lys Cys Ser Lys		
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Pro Ala Ser Asn Thr Ala Pro Leu Gln Pro Glu Gln Leu Gln Val Phe		
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Glu Thr Leu Glu Glu Ile Thr Gly Tyr Leu Tyr Ile Ser Ala Trp Pro		
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Gly Arg Ile Leu His Asn Gly Ala Tyr Ser Leu Thr Leu Gln Gly Leu		
435	440	445
Gly Ile Ser Trp Leu Gly Leu Arg Ser Leu Arg Glu Leu Gly Ser Gly		
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Leu Ala Leu Ile His His Asn Thr His Leu Cys Phe Val His Thr Val		
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Pro Trp Asp Gln Leu Phe Arg Asn Pro His Gln Ala Leu Leu His Thr		
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515	520	525	
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Ala Val Val Gly Ile Leu Leu Val Val Val Leu Gly Val Val Phe Gly			
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Ile Leu Ile			
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